==========
Sequence Listing was accepted.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: Durreshwar Anjum
Timestamp: [year=2009; month=1; day=21; hr=12; min=46; sec=33; ms=945;]
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Validated By CRFValidator v 1.0.3

Application No: 10538736 Version No: 1.0

Input Set:

Output Set:

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Finished: 2009-01-13 20:47:31.706
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 267 ms
Total Warnings: 0
Total Errors: 2
No. of SeqIDs Defined: 2
Actual SeqID Count: 2

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (1)

SEQUENCE LISTING

<110> UNIVERSITA? DEGLI STUDI DI TORINO
Mara BRANCACCIO
Lorenzo SILENGO
Fiorella ALTRUDA
Giuseppe LEMBO
Luigi FRATTA
Guido TARONE

<120> MELUSIN, A MUSCLE SPECIFIC PROTEIN, AS A DRUG TARGET FOR PREVENTION AND TREATMENT OF HEART FAILURE

<130> 4636-25 / BUS5222-CF

<140> 10538736
<141> 2009-01-13

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Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val
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Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Val Gly Leu His
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Thr Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Thr Ile Pro Lys Ser
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Ala Glu Thr Leu Phe Arg Glu Arg Pro Lys Ser Glu Met Pro Pro Lys
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Leu Leu Pro Leu Leu Ile Ser Gln Ala Leu Gly Val Ala Leu Glu Gln
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Gly Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro
                165                 170                 175

Arg Phe His Glu Gly Met Lys Ser Trp Ser Cys Cys Gly Ile Gln Thr
            180                 185                 190

Leu Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg
        195                 200                 205

His Asp Trp Ala Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His
    210                 215                 220

Gln Thr Asp Ser Val Val Val Leu Thr Val Tyr Gly Gln Ile Pro Leu
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Pro Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His
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Ile Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp
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Gly Val Ile Asn Val Glu Gln Ser Ser Val Ser Leu Met Pro Ser Arg

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            20                  25                  30

Phe His Asp Ala Leu Lys Gly Trp Ser Cys Cys Arg Lys Arg Thr Val
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        35                  40                  45

Asp Phe Ser Glu Phe Leu Asn Ile Lys Gly Cys Thr Met Gly Pro His
    50                  55                  60

Cys Ala Glu Lys Leu Pro Glu Ala Pro Gln Pro Glu Gly Pro Ala Thr
65                  70                  75                  80

Ser Ser Ser Leu Gln Glu Gln Lys Pro Leu Asn Val Ile Pro Lys Ser
                85                  90                  95

Ala Glu Thr Leu Arg Arg Glu Arg Pro Lys Ser Glu Leu Pro Leu Lys
            100                 105                 110

Leu Leu Pro Leu Asn Ile Ser Gln Ala Leu Glu Met Ala Leu Glu Gln
        115                 120                 125

Lys Glu Leu Asp Gln Glu Pro Gly Ala Gly Leu Asp Ser Leu Ile Arg
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Thr Gly Ser Ser Cys Gln Asn Pro Gly Cys Asp Ala Val Tyr Gln Gly
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Pro Glu Ser Asp Ala Thr Pro Cys Thr Tyr His Pro Gly Ala Pro Arg
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Asp Phe Gly Ala Phe Leu Ala Gln Pro Gly Cys Arg Val Gly Arg His
        195                 200                 205

Asp Trp Gly Lys Gln Leu Pro Ala Ser Cys Arg His Asp Trp His Gln
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Thr Asp Ser Leu Val Val Val Thr Val Tyr Gly Gln Ile Pro Leu Pro
225                 230                 235                 240

Ala Phe Asn Trp Val Lys Ala Ser Gln Thr Glu Leu His Val His Ile
                245                 250                 255

Val Phe Asp Gly Asn Arg Val Phe Gln Ala Gln Met Lys Leu Trp Gly
            260                 265                 270

Val Ile Asn Val Glu Gln Ser Ser Val Phe Leu Met Pro Ser Arg Val
        275                 280                 285

Glu Ile Ser Leu Val Lys Ala Asp Pro Gly Ser Trp Ala Gln Leu Glu
    290                 295                 300

His Pro Asp Ala Leu Ala Lys Lys Ala Arg Ala Gly Val Val Leu Glu
305                 310                 315                 320

Met Asp Glu Glu Glu Ser Asp Asp Ser Asp Asp Asp Leu Ser Trp Thr
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Glu Glu Glu Glu Glu Glu Glu Ala Met Gly Glu
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340 345